



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ngyuen, et al. Confirmation No.: 9109

Serial No.: 10/662,204 Art Unit: 2819

Filed: September 12, 2003 Examiner: Cho, James Hyonchol

For: Adaptive Impedance Output Attorney Docket No.: 60809-0127-US

Driver Circuit

## INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 C.F.R. §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the application.

15 000	illed Illa	terial to the examination of the application.			
1.	Enclo	Enclosures accompanying this Information Disclosure Statement are:			
	la.	A list of all patents, publications, applications, or other information submitted for consideration by the office.			
	1b.	A legible copy of:			
		Each U.S. patent application publication and U.S. and foreign patent;			
		⊠ Each publication or that portion which caused it to be listed on the PTO-1449;			
		For each cited pending U.S. application, the application specification including the claims, and any drawing of the application, or portion of the application which caused it to be listed on the PTO-1449 including any claims directed to that portion;			
		all other information or portion which caused it to be listed on the PTO-1449.			
	1c.	An English language copy of search report(s) from a counterpart foreign application or PCT International Search Report.			
	1d.	Explanations of relevancy (ATTACHMENT 1(d), hereto) or English language abstracts of the non-English language publications.			
2.	$\boxtimes$	This Information Disclosure Statement is filed under 37 C.F.R. §1.97(b):			
		Within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);			

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		Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
		☐ Before the mailing of the first Office action on the merits;
		Before the mailing of a first Office action after the filing of a request for continued examination under §1.114.
3.		This Information Disclosure Statement is filed under 37 C.F.R. §1.97(c) after the period specified in 37 C.F.R §1.97(b), but before the mailing date of any of a final action under 37 C.F.R. §1.113, a notice of allowance under 37 C.F.R. §1.311 or an action that otherwise closes prosecution in the application.
		(Check either Item 3a or 3b)
	3a.	☐ The Certification Statement in Item 5 below is applicable. Accordingly, no fee is required.
	3b.	<ul> <li>☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) in accordance with 37 C.F.R. §1.97(c) is:</li> <li>☐ enclosed</li> <li>☐ to be charged to Morgan, Lewis &amp; Bockius LLP Deposit Account No. 50-0310 (order no. ).</li> </ul>
		(Item 3b to be checked if any reference known for more than 3 months)
4.		This Information Disclosure Statement is filed under 37 C.F.R. §1.97(d) after the period specified in 37 C.F.R. §1.97(c), but on or before the date of payment of the issue fee.
		(Check either Item 4a or 4b)
	4a.	☐ The Certification Statement in Item 5 below is applicable.
	4.b	The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:
		<ul> <li>enclosed.</li> <li>to be charged to Morgan, Lewis &amp; Bockius LLP Deposit Account No. 50-0310 (order no. ).</li> </ul>
5.		Certification Statement (applicable if Item 3a or Item 4a is checked)
		(Check either Item 5a, 5b or 5c)
	5a.	☐ In accordance with 37 C.F.R. §1.97(e)(1), it is certified that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
	5b.	Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not <b>received</b> by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.
	5c.	Pursuant to 37 C.F.R. §1.704(d), each item of information contained in this information disclosure statement was cited in a communication from a foreign

patent office in a counterpart application, and the communication was not **received** by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.

6.		Copies of each cited U.S. patent and each U.S. patent application publication are not enclosed pursuant to the USPTO OG Notice dated 05 August 2003 waiving the requirement under 37 C.F.R. 1.98(a)(2)(i) for U.S. patent applications filed after June 30, 2003.
7.		This application is a continuation application under 37 C.F.R. §1.53(b) or (d).
		(Check appropriate Items 7a, 7b and/or 7c)
	7a.	A Petition to Withdraw from issue under 37 C.F.R. §1.313(b)(5) is concurrently filed herewith.
	7b.	Copies of publications listed on Form PTO-1449 from prior application Serial No. , filed on , of which this application claims priority under 35 U.S.C. §120, are not being submitted pursuant to 37 C.F.R. §1.98(d).
	7c.	Copies of the publications listed on Form PTO-1449 were not previously cited in prior application Serial No. , filed on , and are provided herewith.
8.		This is a Supplemental Information Disclosure Statement. (Check Item 8a)
	8a.	This Supplemental Information Disclosure Statement under 37 C.F.R. §1.97(f) supplements the Information Disclosure Statement filed on . A bona fide attempt was made to comply with 37 C.F.R. §1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental Information Disclosure Statement can be considered as if properly filed on .
9.		In accordance with 37 C.F.R. §1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:
		(Check Item 9a, 9b, or 9c)
	9a.	satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office.
	9b.	set forth in the application.
	9c.	enclosed as an attachment hereto.
10.	X	The Commissioner is authorized to charge any additional fee required or credit any overpayment for this Information Disclosure Statement and/or Petition to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310 (order no. 60809-0127-US).

No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than a search report of a foreign counterpart application or PCT International Search Report if submitted herewith). 37 C.F.R. §§1.97(g) and (h).

Respectfully submitted,

Date:

February 23, 2005

31,066

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(Reg. No.)

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	Complete If Known			
INFORMATION DISCLOSURE	Application Number	10/662,204		
I / CETATION	Filing Date	September 12, 2003		
FEB 2 4 2005 LL	First Named Inventor	Nguyen et al.		
<b>β</b> /ΓΟ-1449	Art Unit	2819		
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Sheet of 2	Attorney Docket Number	60809-0127-US		

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		U.S. PATE	NT DOCUMENTS					
Examiner Initials	Document Number Number - Kind Code <sup>1</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Appro		
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		FOREIGN PA	TENT DOCUMENTS					
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Examiner Initials	Country Code <sup>2</sup> - Number <sup>3</sup> - Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Class	Subclass	Yes	No	
	EP 0 463 316 A1	01/02/1992		H04L	12/40			
	EP 0 482 392 A2	04/29/1992		H04L	25/08			
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	OTHER P	RIOR ART - NON P	ATENT LITERATURE DOCU	JMENTS				
Examiner Initials	Initials serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published							
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Date Examiner Considered Signature

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if

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Complete If Known 10/662,204 INFORMATION DISCLOSURE Application Number Filing Date September 12, 2003 **CITATION** First Named Inventor Nguyen et al. 2819 Art Unit PTO-1449 Cho, James Hyonchol Examiner Name Attorney Docket Number 60809-0127-US Sheet 2 of Pilo, Harold et al., "A 300 MHz 3.3V 1 Mb SRAM Fabricated in a 0.5 μm CMOS Process", IEEE International Solid State Circuits Conference, pp. 148-149 (1996) Schumacher, Hans-Jürgen et al., "CMOS Subnanosecond True-ECL Output Buffer", IEEE Journal of Solid-State Circuits", 25(1):150-154 (1990) Sidiropoulos, Stefanos et al., "A 700-Mb/s/pin CMOS Signaling Interface Using Current Integrating Receivers", IEEE Journal of Solid-State Circuits", 32(5):681-690 (1997) Yang, Tsen-Shau et al., "A 4-ns 4Kx1-bit Two-Port BiCMOS SRAM", IEEE Journal of D-State Circuits", 23:(5):1030-1040 (1988) EIA/JDEC, JC-42.3 Committee on RAM Memories, Minutes of Meeting 63, July 21, 1992, Denver, EIA/JDEC, JC-42.3 Committee on RAM Memories, Minutes of Meeting 64, Sept. 16-17, 1992, Crystal City, VA.

Examiner	Date
Signature	Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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